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=> s microbial infestation

L1 106 MICROBIAL INFESTATION

=> s 11 and treatment or control

6 FILES SEARCHED...

L2 7016921 L1 AND TREATMENT OR CONTROL

=> s 12 and protein

L3 638396 L2 AND PROTEIN

=> s 13 and antimicrobial

L4 7425 L3 AND ANTIMICROBIAL

=> s l1 and plant

L5 26 L1 AND PLANT

=> d 15 ti abs ibib 1-10

L5 ANSWER 1 OF 26 MEDLINE

Free radicals and food irradiation.

Ionizing radiation can be used to control insect a microbial infestation of for tuffs, inhibit sprouting, delay ripening and reduce the dangers from food-poisoning bacteria. Irradiation produces

free

radicals, most of which decay rapidly, although some are more persistent. These latter radicals can be detected and characterized by electron spin resonance (ESR). In bone and other calcified tissues, the radiation-induced radicals are distinguishable from naturally occurring radicals, and their stability makes them ideal for radiation dosimetry. The radicals induced in plant material, such as seeds and dried spices, are generally indistinguishable from the endogenous radicals and decay over a period of days or weeks. However, in many of these materials,

a radiation-specific radical can be detected at low concentration, thereby

permitting identification of irradiated samples, although precluding accurate dosimetry. ESR, although not universally applicable, currently provides the most specific method for the detection of irradiated food.

ACCESSION NUMBER:

96232738 MEDLINE

DOCUMENT NUMBER:

96232738 PubMed ID: 8660399

TITLE:

Free radicals and food irradiation.

AUTHOR:

Dodd N J

CORPORATE SOURCE:

CRC Department of Biophysics, Paterson Institute for

Cancer

SOURCE:

Research, Christie Hospital NHS Trust, Manchester, U.K. BIOCHEMICAL SOCIETY SYMPOSIA, (1995) 61 247-58. Ref: 49

Journal code: 9ZK; 7506896. ISSN: 0067-8694.

PUB. COUNTRY:

ENGLAND: United Kingdom

Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, TUTORIAL)

LANGUAGE:

English

FILE SEGMENT:

Priority Journals

ENTRY MONTH:

199607

ENTRY DATE:

Entered STN: 19960808

Last Updated on STN: 19960808 Entered Medline: 19960730

L5ANSWER 2 OF 26 USPATFULL

Stabilization of vitamin C

AΒ A natural antioxidant blend in the form of an amphorous powder was obtained by extraction from Emblica officinalis fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. A synergistically stabilized composition of ascorbic acid or

its

derivatives with the antioxidant composition of Emblica officinalis, is also described. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:75374 USPATFULL

TITLE:

Stabilization of vitamin C

INVENTOR(S):

Ghosal, Shibnath, Benares, India

PATENT ASSIGNEE(S):

Natreon Inc., New Brunswick, NJ, United States (U.S.

corporation)

NUMBER KIND DATE ______

PATENT INFORMATION:

US 6235721 B1 20010522

APPLICATION INFO.:

US 2000-503899

20000215 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-251917, filed

on 17 Feb 1999, now patented, Pat. No. US 6124268

DOCUMENT TYPE: Utility Granted FILE SEGMENT:

Krass, Frederick PRIMARY EXAMINER: LEGAL REPRESENTATIVE: Katz, Walter

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1 LINE COUNT: 778

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

 L_5 ANSWER 3 OF 26 USPATFULL

ΤI Water-stabilized organosilane compounds and methods for using the same

AB The product of reacting an organosilane optionally having a

nonhydrolizable organic group, but having one ore more hydrolyzable groups, with a polyol containing at least three hydroxy groups, where any two of the hydroxy groups are separated by at least three intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the product or compound and water. A

method

of treating a substrate by contacting the substrate with the product, compound, or composition for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:59963 USPATFULL

TITLE:

Water-stabilized organosilane compounds and methods

for

using the same

INVENTOR(S):

Liebeskind, Lanny S., Atlanta, GA, United States

Allred, Gary D., Decatur, GA, United States

PATENT ASSIGNEE(S):

Emory University, Atlanta, GA, United States (U.S.

corporation)

NUMBER KIND DATE ______ US 6221944 B1 20010424 US 1999-320771 19990527 PATENT INFORMATION: APPLICATION INFO.: (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1996-646156, filed on 7

1996 DOCUMENT TYPE: Utility Granted FILE SEGMENT:

PRIMARY EXAMINER: Cain, Edward J.

LEGAL REPRESENTATIVE: Needle & Rosenberg, P.C.

NUMBER OF CLAIMS: 28 EXEMPLARY CLAIM: 1 2664 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 26 USPATFULL

TINatural antioxidant compositions, method for obtaining same and cosmetic, pharmaceutical and nutritional formulations thereof

ΑB A natural antioxidant blend in the form of an amphorous powder was obtained by extraction from Emblica officinalis fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:128301 USPATFULL

TITLE:

Natural antioxidant compositions, method for obtaining

Page 4

same and cosmetic, pharmaceutical and nutritional

formulations thereof

Ghosal, Shibnath, Varanasi, India INVENTOR(S):

Natreon Inc., Highland Park, NJ, United States (U.S. PATENT ASSIGNEE(S):

corporation)

NUMBER KIND DATE -----

20000920 19990217 (9) PATENT INFORMATION: US 6124268 APPLICATION INFO.: US 1999-251917

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

Krass, Frederick PRIMARY EXAMINER: LEGAL REPRESENTATIVE: Katz, Walter

NUMBER OF CLAIMS: 13 EXEMPLARY CLAIM: 1 LINE COUNT: 663

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 5 OF 26 USPATFULL

Water-stabilized organosilane compounds and methods for using the same ΤI AΒ The composition formed by mixing an organosilane, optionally having a nonhydrolizable organic group, but having one or more hydrolyzable

groups, with a polyol containing at least two hydroxy groups, wherein

at

least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound

and

water. A method of treating a substrate by mixing or contacting the substrate with the product compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A

method

of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:124367 USPATFULL

TITLE: Water-stabilized organosilane compounds and methods

for

using the same

INVENTOR(S): Elfersy, Jacques E., Atlanta, GA, United States

Berkner, Joachim, Smyrna, GA, United States

Moses, Timothy C., Stockbridge, GA, United States

PATENT ASSIGNEE(S): BioShield Technologies, Inc., Norcross, GA, United

States (U.S. corporation)

NUMBER KIND DATE -----PATENT INFORMATION:

US 6120587 20000919 US 1999-315573 19990520 APPLICATION INFO.: (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1997-852474, filed on 7 May

1997, now patented, Pat. No. US 5954869

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Brunsman, David

LEGAL REPRESENTATIVE: Saliwanchik, Llyod & Saliwanchik

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1 LINE COUNT: 1928 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 26 CATFULL

TI Ether-stabilized organosilane compositions and methods for using the

AB The composition formed by mixing an organosilane with an ether. Water-stabilized organosilane compounds. A water stable composition

made

from the ether and organosilane composition and water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of

time

sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention.

A method of dyeing and treating a substrate. A method of antimicrobially

treating a food article. A method of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:117197 USPATFULL

TITLE: Ether-stabilized organosilane compositions and methods

for using the same

INVENTOR(S): Elfersy, Jacques E., Atlanta, GA, United States

Berkner, Joachim, Smyrna, GA, United States Moses, Timothy C., Atlanta, GA, United States

PATENT ASSIGNEE(S): Bioshield Technologies, Inc., Norcross, GA, United

States (U.S. corporation)

NUMBER DATE

PRIORITY INFORMATION: US 1997-53155 19970718 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: McKane, Joseph ASSISTANT EXAMINER: Oswecki, Jane C.

LEGAL REPRESENTATIVE: Saliwanchik, Lloyd & Saliwanchik

NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
LINE COUNT: 2227

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 26 USPATFULL

TI Water-stabilized organosilane compounds and methods for using the same

AB The product of reacting an organosilane optionally having a

nonhydrolizable organic group, but having one or more hydrolyzable groups, with a polyol containing at least three hydroxy groups, where any two of the hydroxy groups are separated by at least three intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the product or compound and water. A

 ${\tt method}$

of treating a substrate by contacting the substrate with the product, compound, or composition for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 1999:117585 USPATFULL

TITLE: Water-stabilized organosilane compounds and methods

for

sing the same

INVENTOR(S): Liebeskind, Lanny S., Atlanta, GA, United States

Allred, Gary D., Norcross, GA, United States

PATENT ASSIGNEE(S): Emory University, Atlanta, GA, United States (U.S.

corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5959014 19990928 APPLICATION INFO.: US 1996-646156 19960507 (8)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Stucker, Jeffrey

LEGAL REPRESENTATIVE: Needle & Rosenberg, P.C.

NUMBER OF CLAIMS: 44
EXEMPLARY CLAIM: 1
LINE COUNT: 2993

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 26 USPATFULL

TI Production of thickening agents in liquid state

AB An aqueous thickener composition containing an organic

water-dispersible

or water-soluble polymeric thickener and a viscosity reducer comprising a compound corresponding to formula (1):

$$R.\sup_{t=0}^{\infty} 1 -O-(R.\sup_{t=0}^{\infty} 2 -O).\sup_{t=0}^{\infty} 1 -OH$$
 (1)

in which

R.sup.1 is an aliphatic hydrocarbon radical containing 8 carbon atoms,

R. \sup 2 represents an alkylene radical containing 2 to 4 carbon atoms, and

n is an integer of 3 to 7.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:

1999:117584 USPATFULL

TITLE: INVENTOR(S):

Production of thickening agents in liquid state Conradi, Joachim, Duesseldorf, Germany, Federal

Republic of

Gress, Wolfgang, Wuppertal, Germany, Federal Republic

٥f

Neumann, Ralf, Haan, Germany, Federal Republic of Schieferstein, Ludwig, Ratingen, Germany, Federal

Republic of

Schulte, Heinz-Guenther, Muelheim, Germany, Federal

Republic of

PATENT ASSIGNEE(S):

Henkel Kommanditgesellschaft auf Aktien, Duesseldorf, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND DATE	
PATENT INFORMATION:	US 5959013	19990928	
	WO 9702325	19970123	
APPLICATION INFO.:	US 1997-983566	19971229	(8)
	WO 1996-EP2721	19960622	
		19971229	PCT 371 date
		19971229	PCT 102(e) date

NUMBER DATE

PRIORITY INFORMATION: ____ DE 1995-19523837 19950630

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Acquah, Samuel A. ASSISTANT EXAMINER: Rajguru, U. K.

LEGAL REPRESENTATIVE: Szoke, Ernest G., Jaeschke, Wayne C., Grandmaison,

Real

NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 361

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 26 USPATFULL

TI Water-stabilized organosilane compounds and methods for using the same AB The composition formed by mixing an organosilane, optionally having a

nonhydrolizable organic group, but having one or more hydrolyzable groups, with a polyol containing at least two hydroxy groups, wherein

at

least any two of the hydroxy groups are separated by no more than two intervening atoms. Water-stabilized organosilane compounds. A water stable composition made from the polyol and organosilane or compound

and

water. A method of treating a substrate by mixing or contacting the substrate with the product, compound, or composition of this invention for a period of time sufficient for treatment of the substrate. A treated substrate having adhered thereto the product, compound, or composition of this invention. A method of dyeing and treating a substrate. A method of antimicrobially treating a food article. A

method

of antimicrobially coating a fluid container. A method of antimicrobially coating a latex medical article. A method of making a siloxane in the presence of a stabilizer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:

1999:113157 USPATFULL

TITLE:

Water-stabilized organosilane compounds and methods

for

using the same

INVENTOR(S):

PATENT ASSIGNEE(S):

Elfersy, Jacques E., Atlanta, GA, United States

Berkner, Joachim, Smyrna, GA, United States

Moses, Timothy C., Stockbridge, GA, United States BioShield Technologies, Inc., Norcross, GA, United

States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5954869 19990921 APPLICATION INFO.: US 1997-852474 19970507 (8)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Marquis, Melvyn I. ASSISTANT EXAMINER: Milstead, Mark W.

LEGAL REPRESENTATIVE: Saliwanchik, Lloyd & Saliwanchik

NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 2291

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 26 USPATFULL

TI Polymers containing antimicrobial agents and methods for making and using same

AB Polymeric compositions containing antimicrobial agents and methods for

making and using same are provided. The antimic hial agents include phytochemicals of phytonutrients such as naturally occurring extracts from plants and nerbs and other chemical disinfectants safe for use on food-contact surfaces. Chemical releasers can be added to the compositions for causing the release of the antimicrobial agents. The chemical releasers include citric acid extract. A blend of antimicrobial

agents can be included in the composition for destroying and inhibiting the growth of a wide variety of different microorganisms including bacteria, viruses, and fungi.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:

1999:61012 USPATFULL

TITLE:

Polymers containing antimicrobial agents and methods

for making and using same

INVENTOR(S):

Seabrook, Jr., Samuel G., Mount Pleasant, SC, United

States

Craver, III, William E., Sullivans Island, SC, United

States

PATENT ASSIGNEE(S):

Magellan Companies, Inc., Mt. Pleasant, SC, United

States (U.S. corporation)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Page, Thurman K.

LEGAL REPRESENTATIVE: Dority & Manning, P.A.

NUMBER OF CLAIMS: 17 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 5 Drawing Figure(s); 3 Drawing Page(s)

LINE COUNT: 1130

CAS INDEXING IS AVAILABLE FOR THIS PATENT.